

ABSTRACT**New Automatic Gain Control method**

5 The present invention is related to a method
to provide an automatic gain control (AGC) in a receiver
structure, comprising the following steps: multiplying a
received analogue signal with a predetermined gain setting
to obtain an amplifier output signal, sampling the
10 amplifier output signal, estimating the energy in the
samples, calculating the average energy, and the further
steps of computing the percentage of clipped samples,
calculating the target energy value based on the average
energy and the percentage of clipped samples and the gain
15 setting, and applying the updated receiver gain setting.

(Figure 2)